

CLAIMS

We claim:

1. A variably curved track-mounted amusement ride, which comprises:
 - a cart having wheels, a body, and a restraint for one or more passengers;
 - a track having a beginning, at least one inside curve with such inside curve having a beginning and an end, and at least one outside curve with such outside curve having a beginning, an end, and a farthest outside portion with no portion of said track being directly below at least such farthest outside portion of such outside curve and wherein each inside and outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and said track having the beginning and end of each outside curve vertically closer to each other than are the beginning and end of each inside curve; and
 - a means for raising said cart to the beginning of said track.
2. A variably curved track-mounted amusement ride, which comprises:
 - a cart having wheels, a body, and a restraint for one or more passengers;
 - a track having a lowest level, a beginning, at least one inside curve with such inside curve having a beginning and an end, and at least one outside curve with such outside curve having a beginning, an end, and a farthest outside portion with no portion of said track except the lowest level being directly below at least such farthest outside portion of such outside curve and wherein each inside and outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and said track having the beginning and end of each outside curve vertically closer to each other than are the beginning and end of each inside curve; and
 - a means for raising said cart to the beginning of said track.
3. A variably curved track-mounted amusement ride, which comprises:
 - a cart having wheels, a body, and a restraint for one or more passengers;

a track having a beginning, at least one inside curve with such inside curve having a beginning and an end, and at least one outside curve with such outside curve having a beginning and an end with no portion of said track being directly below such outside curve and wherein each inside and outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and said track having the beginning and end of each outside curve vertically closer to each other than are the beginning and end of each inside curve; and

a means for raising said cart to the beginning of said track.

4. A variably curved track-mounted amusement ride, which comprises:

a cart having wheels, a body, and a restraint for one or more passengers;

a track having a lowest level, a beginning, at least one inside curve with such inside curve having a beginning and an end, and at least one outside curve with such outside curve having a beginning and an end with no portion of said track except the lowest level being directly below such outside curve and wherein each inside and outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and said track having the beginning and end of each outside curve vertically closer to each other than are the beginning and end of each inside curve; and

a means for raising said cart to the beginning of said track.

5. A variably curved track-mounted amusement ride, which comprises:

a cart having wheels, a body, and a restraint for one or more passengers;

a track having a beginning, an orientation, and at least one outside curve with such outside curve having a beginning, an end, and a farthest outside portion with no portion of said track being directly below at least such farthest outside portion of such outside curve and wherein each outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect

to said track and wherein said track rolls to invert its orientation after each such outside curve; and

a means for raising said cart to the beginning of said track.

6. A variably curved track-mounted amusement ride, which comprises:
 - a cart having wheels, a body, and a restraint for one or more passengers;
 - a track having a lowest level, a beginning, an orientation, and at least one outside curve with such outside curve having a beginning, an end, and a farthest outside portion with no portion of said track except the lowest level being directly below at least such farthest outside portion of such outside curve and wherein each outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and wherein said track rolls to invert its orientation after each such outside curve; and

a means for raising said cart to the beginning of said track.

7. A variably curved track-mounted amusement ride, which comprises:
 - a cart having wheels, a body, and a restraint for one or more passengers;
 - a track having a beginning, an orientation, and at least one outside curve with such outside curve having a beginning and an end with no portion of said track being directly below such outside curve and wherein each outside curve lies substantially within a vertical plane and has an axis of symmetry which is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and wherein said track rolls to invert its orientation after each such outside curve; and

a means for raising said cart to the beginning of said track.

8. A variably curved track-mounted amusement ride, which comprises:
 - a cart having wheels, a body, and a restraint for one or more passengers;
 - a track having a lowest level, a beginning, an orientation, and at least one outside curve with such outside curve having a beginning and an end with no portion of said track except the lowest level being directly below such outside curve and wherein each outside curve lies substantially within a vertical plane and has an axis of symmetry which

is substantially horizontal, said track being capable of retaining said cart no matter what the orientation of the body of said cart is with respect to said track and wherein said track rolls to invert its orientation after each such outside curve; and
a means for raising said cart to the beginning of said track.